

HPLC Application

ID No.: 14473

EPA Method 553, Benzidines and Nitrogen-Containing Pesticides

Column: Luna® 5 µm C18(2) 100 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4252-E0

Elution Type: Gradient

Eluent A: 10mM Ammonium Acetate:Acetonitrile (75:25)

Eluent B: Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	75	25
	2	1	75	25
	3	29	40	60
	4	49	40	60

Flow Rate: 0.3 mL/min

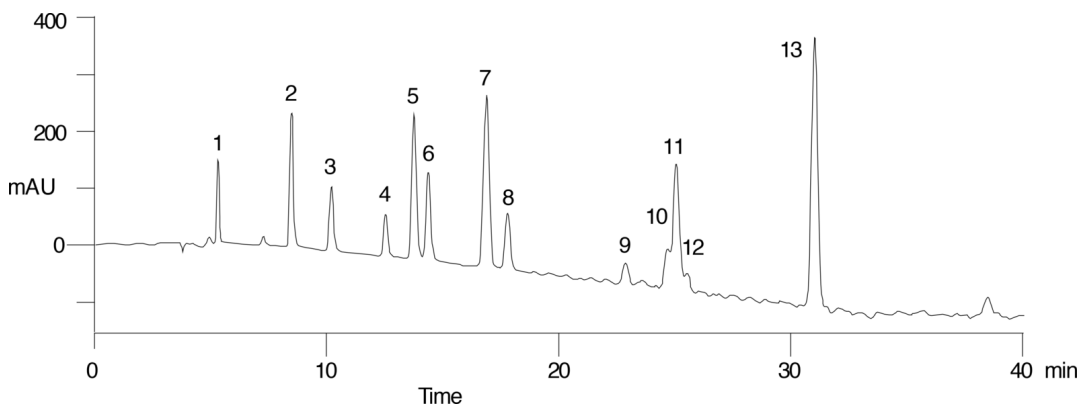
Col. Temp.: ambient

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 210 nm (ambient)

Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287

- Holder Part No.: KJ0-4282



Products used in this application:



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ANALYTES:

- 1 Benzidine
- 2 Benzoylprop ethyl
- 3 Caffeine
- 4 Carbaryl
- 5 o-Chlorophenyl thiourea
- 6 3,3'-Dichlorobenzidine
- 7 3,3'-Dimethoxybenzidine
- 8 3,3'-Dimethylbenzidine
- 9 Diuron
- 10 Linuron
- 11 Monuron
- 12 Rotenone
- 13 Siduron

